Vivek Kaul

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# Professional Summary:

* About 12 years of experience in the IT industry.
* Worked as:
  + *Independent DevOps Engineer* working in *Dallas, Texas (USA)* (Sep ’23 - Present)
  + *Technical Architect* with *Tata Consultancy Services, India* (Apr ‘23 to Aug ‘23)
  + *Digital Solution Specialist* with *Infosys Limited, India* (Nov ‘11 to Apr ‘23)
* Experienced in professional delivery of:
  + DevOps Platforms Engineering & Process Consulting
  + CI/CD Pipelines
  + Git Code Migrations
  + Automation scripts using Python, JavaScript and REST API’s
  + IaC for Azure Cloud
  + Technical Solution Proposals & Estimations

# Education:

* 2011: Bachelors in Technology (I.T.) from Uttarakhand Technical University, Dehradun, India

# Technical Skills:

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| --- | --- |
| DevOps Tooling | Azure DevOps, Jenkins, TeamCity, GitHub Actions, GitLab CI, Terraform, SonarQube, Nexus, Artifactory, ADO Artifacts, JIRA, Confluence, Azure Cloud, ARM Templates, Docker, AppDynamics |
| Programming | PowerShell, Python, Bash, Java, JavaScript, Node, NPM, HTML, CSS, SQL, Eclipse, IntelliJ, VS Code, YAML, JSON, GitHub API, GitLab API, REST API  Python Libraries: Requests, Fabric (SSH), Pandas, Selenium |
| Version Control | GitHub, GitLab, Git, TFS, SVN |
| Azure Services | Virtual Machine, Azure Webapps, Azure Functions, Azure KeyVault, Azure Storage, Azure Managed Identities |
| Frameworks Understood | jQuery, Twitter Bootstrap, React (v1.7), Spring Boot, Google Android (v4.4, v5.0) |
| Operating Systems | Windows, Ubuntu Linux |
| Text Drafting | MS Word, PowerPoint, Excel, Visio |
| Misc. Tools | VirtualBox, .msi re/packaging, Orca, Wise Packaging Studio, IBM Installation Manager, RegMon, ProcMon, App-V 5.1, Beyond Compare |
| Certifications | Microsoft AZ-900 (Azure Fundamentals), Gitlab Certified Associate |

Professional Experience:

* Project: Repo / Pipeline migration and re-configuration Client: Medibank Insurance, Australia

Role: Technical Architect (Team Size: 6, Fully Remote)

* + Team migrated ~800 BitBucket repo’s and ~40 BitBucket pipelines to GitHub products (GitHub, GitHub Actions).
  + Lead the discovery and analysis of existing code bases and pipelines alongside GitHub team.
  + Produce PoC and analysis on GitHub Enterprise Importer and GitHub Actions Importer along with other tools to facilitate seamless migration.
  + Implemented Python automation for single-click configuration of migrated repo’s and validation. (Selenium, GitHub API, Firefox Browser)
    - Run migration commands.
    - Run Sanity checks on migrated git repo’s (No. of branches, Tags, PR’s etc.) using Python, Bitbucket & GitHub REST API
    - Implement Standards on migrated GitHub repos viz. Branch Policies, Feature Set, PR Templates etc. using Python and GitHub REST API
    - Produce screenshots of deliverable GitHub repos using Python & Selenium.
* Project: Modernize legacy CI/CD for Oracle EBS to Jenkins Client: Ricoh, USA

Role: Technical Architect (Team Size: 5, Fully Remote)

* + Lead team in discovery and analysis of existing legacy system, process’ and its stakeholders.
    - Interview all teams using the legacy system, understand their usage and use case.
    - Mapping existing use-cases, design and data with a 1:1 or 1:N mapping to new system.
  + Conceptualize and implement custom process & pipeline design to fit existing Oracle EBS deployment methods. Salient features of the designed system include:
    - Maintain a record of all the builds created and deployments done in an SQL DB, in a failsafe way, using Python.
    - Allow developers to specify dependency checks on another build, using Python.
    - Conversion of Legacy PL/SQL & Bash code to Python based deployment scripts allowing for easy future expansion of system (Compared to PL/SQL + Bash for Legacy system.)
  + Implemented new process to Jenkins & GitHub:
    - Code Handling policies viz. Branching Strategy, Code Review and Pull Requests, PR approvers for each app.
    - RBAC fitting to Development, QA, UAT, Operations and Admin Team.
    - Python automation for Build & Deploy system on Jenkins.
    - Maintain Build and Deploy records in SQL DB.
    - Drive process adoption from DEV to PROD environments.
* Project: Manage Build & Deployment Pipelines on Azure DevOps Client: Wells Fargo, USA

Role: Sr. Build Engineer (Team Size: 4, Fully Remote)

* + Interview developers and gather application design (.Net, React, Angular etc.)
    - Create and Maintain CI & Deployment pipelines on Azure DevOps. (Classic, YAML)
    - Deploy and maintain associated resources on Azure Cloud using ARM templates.
    - Troubleshoot CI & CD pipelines.
  + Implemented PowerShell based automation for reducing Pipeline Peer Review TaT:
    - Reduced Peer Review efforts by up to 1 hour/day per person.
    - Utilized TFS / Azure DevOps REST API
    - Script generated review .xls file with Date-Time stamps.
  + Conducted DevOps Boot Camps and Training on Azure DevOps, Jenkins, Git, TFS for team members and developers.
* Project: DevOps Tools Platforms Engineering and Tooling administration (viz. SonarQube, GitLab, TeamCity, Confluence etc.)

Client: UBS Bank, UK & Poland

Role: DevOps Lead Engineer (Team Size: 15, Fully Remote)

* + Plan & write maintenance automation for platform tools using REST API & Python / PowerShell:
    - User-base notifications via e-mail and Teams channel.
  + Credentials management automation using Power BI:
    - Report to check expiring credentials for On-premise applications.
  + Resolve DevOps Tools end user issues, conduct basic Linux administration.
  + Execute migration of tools from On-Prem to Azure VMs.
  + Plan, Co-ordinate and Implement Change Requests for DevOps tools.
  + Perform Server & COTS Commissioning & De-commissioning:
    - Installation of application, SSL Certs, provision FQDN, Setup Load Balancing, User Testing etc.
    - Plan and execute De-commission of associated Network Shares, VM, SSL Certificates, application data, user-base notification and liaisoning.
* Project: Android Application for Retail Sales (utilizing Location Based Services) Client: Copa Airlines, Panama

Role: Android Developer (Team Size: 3)

* + Presented application to Key client stakeholders.
  + Utilized Bluetooth 5.0 Low Energy Beacons using Estimote Beacon SDK.
  + App used Infosys proprietary platform as backend.
  + Enhanced Application Backend API’s using SpringBoot.
  + Created re-usable artifacts for utilizing Bluetooth beacons.
* Project: Re-packaging Windows Desktop Application

Client: Merck Pharma, Germany; Aetna Insurance, USA; Jabil Engineering, UK Role: App Packaging Engineer (Team Size: 1-10)

* + Application re-packaging/remediation and installation support for applications like MS Office, Eclipse, RAD, IBM DB2, WAS etc.
  + Created an ‘Application Inventory’ portal using JSF.
  + Developed one-click installation script for MSI applications.
  + Developed custom installation scripts using VBScript, JScript, NSIS & AutoIT
  + Regular reporting & Storage Server clean-up responsibilities.
* Project: Graduate Engineer Training Company: Infosys Limited

Role: Software Engineering Trainee

* + 4 months training on Java, JSF, JPA, HTML, JavaScript, CSS and Team Foundation Server.
  + Training project created for a Sports e-commerce Store using JSF as UI Layer, JPA for DB modeling and CRUD and Business Logic implemented in Pure Java.
  + Lead team of 4 trainees in Project Integration activities.